



Eclipse* A

Herbicide Solution

GROUP	4	HERBICIDE
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This component must only be used in the Eclipse Glyphosate Tolerant Canola Herbicide Tank-Mix

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: clopyralid 360 g/L
(present as the monoethanolamine salt)

REGISTRATION NO. 26633 PEST CONTROL PRODUCTS ACT

CAUTION  **POISON**

DANGER - EYE IRRITANT
HARMFUL IF ABSORBED THROUGH SKIN
MAY CAUSE SKIN IRRITATION

COMBUSTIBLE

NET CONTENTS: 1.2 L

Dow AgroSciences Canada Inc.
Suite 201, 1144 - 29 Avenue N.E.
Calgary, Alberta
T2E 7P1
1-800-667-3852

*Trademark of Dow AgroSciences LLC

PRECAUTIONS

DANGER - EYE IRRITANT

HARMFUL IF ABSORBED THROUGH SKIN

MAY CAUSE SKIN IRRITATION

KEEP OUT OF REACH OF CHILDREN

DO NOT APPLY BY AIR

COMBUSTIBLE

Avoid contact with eyes, skin and clothing. Avoid breathing vapours or spray mist.

AT ALL TIMES: Wear clean, body-covering coveralls.

DURING MIXING AND LOADING AND CLEANUP AND REPAIR: Wear goggles or face shield and chemical resistant gloves. For application using hand-held equipment, wear chemical resistant gloves.

AT COMPLETION OF SPRAYING OR END OF THE DAY: Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Induce vomiting if large amounts are ingested. Consult medical personnel or call a poison control centre **IMMEDIATELY**.

If in eyes: Irrigate with flowing water **IMMEDIATELY** and continuously for 15 minutes. Consult medical personnel or call a poison control centre **IMMEDIATELY**.

If on skin: Wash off with soap and flowing water.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

STORAGE

Store away from food, feedstuff, fertilizer, seeds, insecticides, fungicides or other pesticides or herbicides intended to be used on crops sensitive to clopyralid. Store in heated storage; if product is frozen, bring to room temperature and agitate before use.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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Eclipse*

Glyphosate Tolerant Canola Herbicide Tank-Mix

GROUP	4	9	HERBICIDES
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AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

This co-package contains:

Eclipse A Herbicide Solution
 REGISTRATION NO. 26633 PEST CONTROL PRODUCTS ACT
 GUARANTEE: clopyralid 360 g/L
 (present as the monoethanolamine salt)

Eclipse B Herbicide Solution
 REGISTRATION NO. 26634 PEST CONTROL PRODUCTS ACT
 GUARANTEE: Glyphosate, 360 grams acid equivalent per litre present as isopropylamine salt.

CAUTION  **POISON**

CAUTION  **IRRITANT**

DANGER - EYE IRRITANT
HARMFUL IF SWALLOWED
HARMFUL IF ABSORBED THROUGH SKIN
MAY CAUSE SKIN IRRITATION

NET CONTENTS: Eclipse A Herbicide Solution 1.2 L
 Eclipse B Herbicide Solution 5 L

THE CONTENTS OF THIS CARTON WILL TREAT 12 HECTARES

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PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Danger – Eye Irritant

Harmful if absorbed through skin

May cause skin irritation

DO NOT APPLY BY AIR

COMBUSTIBLE

Avoid contact with eyes, skin and clothing. Avoid breathing vapours or spray mist.

AT ALL TIMES: Wear clean, body-covering coveralls.

DURING MIXING AND LOADING AND CLEANUP AND REPAIR: Wear goggles or face shield and chemical resistant gloves. For application using hand-held equipment, wear chemical resistant gloves.

AT COMPLETION OF SPRAYING OR END OF THE DAY: Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse.

PHYSICAL OR CHEMICAL HAZARDS

Spray solutions of this herbicide tank-mix should be mixed, stored and applied only in stainless steel, aluminum, fibreglass, plastic and plastic-lined steel containers. **DO NOT MIX, STORE OR APPLY THIS HERBICIDE TANK-MIX IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.** This herbicide tank-mix reacts with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

FIRST AID:

Take containers, labels or product names and Pest Control Product Registration Numbers with you when seeking medical attention.

If in eyes: **IMMEDIATELY** flush with plenty of water for at least 15 minutes. Call a physician or contact a poison control centre **IMMEDIATELY**.

If on skin: Wash off with soap and flowing water. Remove contaminated clothing. Wash clothing before reuse.

If swallowed: This herbicide tank-mix will cause gastro-intestinal tract irritation. **IMMEDIATELY** dilute by swallowing water or milk. Call a physician or contact a poison control centre **IMMEDIATELY**. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

If inhaled: Remove individual to fresh air. If breathing difficulty occurs, get medical attention at once or contact a poison control centre **IMMEDIATELY**.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL HAZARDS

Avoid direct applications to any body of water. Do not contaminate water by disposal of waste or cleaning of equipment.

STORAGE

Store away from food, feedstuff, fertilizer, seeds, insecticides, fungicides or other pesticides or herbicides intended to be used on crops sensitive to clopyralid. Store in heated storage; if products are frozen, bring to room temperature and agitate before use. Soak up small amounts of spill with absorbent clays.

DISPOSAL

Do not reuse these containers for any purpose. These are recyclable containers, and are to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the containers to the collection site:

1. Triple- or pressure-rinse the empty containers. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed containers unsuitable for further use.

If there is no container collection site in your area, dispose of the containers in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

DIRECTIONS FOR USE

GENERAL INFORMATION

Eclipse Glyphosate Tolerant Canola Herbicide Tank-Mix is a post emergent herbicide tank-mix intended for dilution with water and for use on glyphosate tolerant canola only. It is readily absorbed by both foliage and roots and translocates both upwards and downwards in plants. The tank-mix provides season long control of Canada thistle and control of other annual and perennial broad-leaved weeds.

Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.

Heavy rainfall immediately after application may wash the chemical off the foliage. Do not apply if rainfall is forecast for the time of application.

Do not mix with any surfactant, pesticide, herbicide oils or any other material other than water unless specified in this booklet. For best results, spray coverage should be uniform and complete. Do not spray weed foliage to the point of runoff.

MIXING AND APPLICATION PRECAUTIONS

AVOID CONTACT WITH FRUIT OF CROPS, DESIRABLE PLANTS AND TREES SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES.

AVOID DRIFT - EXTREME CARE MUST BE USED WHEN APPLYING THIS TANK-MIX TO PREVENT INJURING DESIRABLE PLANTS AND CROPS. Do not allow spray mist to drift since even minute quantities of spray can cause severe damage or destruction to nearby crops, plants or other areas on which treatment is not intended, or may cause other unintended consequences. Do not apply when winds are gusty or in excess of 8 km/h or when other conditions, including lesser wind velocities, will allow drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift.

Residues of Eclipse Herbicide Tank-Mix can remain in the soil following the year of use, thereby affecting growth of sensitive crops. See crop rotation section.

APPLY ECLIPSE HERBICIDE TANK-MIX ON GLYPHOSATE TOLERANT CANOLA VARIETIES ONLY.

ALWAYS USE PEDIGREED (I.E. CERTIFIED) GLYPHOSATE TOLERANT CANOLA SEED. CANOLA WHICH IS NOT DESIGNATED AS GLYPHOSATE TOLERANT WILL BE DAMAGED OR DESTROYED BY THIS TREATMENT.

Some short-term, visual yellowing may occur when Eclipse Herbicide Tank-Mix is applied at the late application 4 to 6 leaf stage of the crop. This effect is temporary and will not influence crop growth, maturity or yield.

REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS WATER FROM PONDS AND UNLINED DITCHES.

Clean sprayer and parts immediately after using this herbicide tank-mix by thoroughly flushing with water. Do not contaminate water sources by disposal of wastes or cleaning of equipment.

Use of this herbicide tank-mix in any manner not consistent with this booklet may result in injury to persons, animals or crops, or other unintended consequences. Keep containers closed to prevent spills and contamination.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact www.cropro.org/.

Crop Rotation

Fields previously treated with Eclipse Herbicide Tank-Mix can be seeded the following year to wheat, oats, barley, rye (not underseeded with legumes, clover or alfalfa), forage grasses, flax, canola, mustard, field peas, or it can be summerfallowed. Seed only those crops listed above in the year following treatment. Do not seed to field peas for at least 10 months following treatment. Very dry soil conditions following application can result in a risk of injury to field peas grown in rotation. If severe drought conditions are experienced during the months of June to August inclusive in the year of application, delay seeding field peas an additional 12 months (total 22 months following application). Contact your local Dow AgroSciences Canada representative or retailer for more information before seeding field peas following drought conditions in the previous year.

Do not seed to crops other than those listed above in the calendar year following treatment.

Do not seed to field peas for at least 10 months following treatment.

Grazing

Allow 3 to 5 days before grazing treated areas.

Non-Target Sites

Avoid contamination of non-target land, water or irrigation ditches. Do not use Eclipse Herbicide Tank-Mix in the following areas: standing or flowing water, the inner banks or bottoms of irrigation ditches; in areas where surface water can run off to adjacent croplands either planted or to be planted to sensitive crops

Manure and Straw

Residues of the herbicide tank-mix occurring in the straw may be harmful to susceptible plants; therefore, do not use straw or crop residue from treated crops for composting or mulching susceptible broadleaved crops. If the straw or crop residue is used for animal bedding or feed, return the manure to fields to be planted to clopyralid tolerant crops such as wheat, barley, oats, rye, forage grasses, canola or flax. Do not grow susceptible crops such as peas, beans, lentils, potatoes, sunflowers or other sensitive crops on land which has been mulched with straw containing clopyralid residues within the last 12 months.

MIXING AND APPLICATION EQUIPMENT INFORMATION

DO NOT APPLY BY AIR

To Reduce Spray Drift:

1. Use nozzles that deliver higher volumes and coarser droplets.
2. Use low pressures (200 to 275 kPa).
3. Use 100 L/ha of spray solution.
4. Spray when the wind velocity is 8 km/hr or less.

Equipment Clean-Up

Equipment used to apply Eclipse Herbicide Tank-Mix should not be used to apply other pesticides to sensitive crops without thorough cleaning. Contact your Eclipse Herbicide Tank-Mix dealer for a detailed equipment cleaning procedure.

MIXING AND APPLICATION DIRECTIONS

Spray Preparation

To prepare the spray solution, first add Eclipse A Herbicide Solution to the spray tank. Once it is half filled with water, add Eclipse B Herbicide Solution as the remaining water is put into the spray tank.

Application Rates

Eclipse Herbicide Tank-Mix will control the annual and perennial weeds listed in the table below. Apply 0.28 L/ha of Eclipse A Herbicide Solution and 1.25 L/ha of Eclipse B Herbicide Solution in 100 L of water per hectare. Apply when canola is in the 2-6 leaf stage. Ensure the crop has not advanced beyond the recommended growth stage.

Weeds Controlled
Annual Grasses: wild oats, green foxtail, volunteer barley, volunteer wheat
Annual Broad-leaved Weeds: stinkweed, redroot pigweed, wild mustard, Russian thistle, lamb's-quarters, non-glyphosate tolerant volunteer canola (rapeseed), hempnettle, lady's thumb, kochia, chickweed, corn spurry, wild tomato, cleavers, wild buckwheat, shepherd's purse, cow cockle, night-flowering catchfly, smartweed
Perennial Weeds (season long control): quackgrass, Canada thistle, perennial sowthistle (season-long top growth), dandelion <15 cm diameter (season-long top growth) dandelion >15 cm diameter †

†suppression

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Eclipse tank-mix is both a Group 4 and a Group 9 herbicide. Any weed population may contain plants naturally resistant to Group Group 4 and/or Group 9 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same fields.

To delay herbicide resistance:

- Where possible, rotate the use of Eclipse tank-mix or other Group 4 and Group 9 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at www.dowagro.ca.

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